

***AMENDMENTS TO THE CLAIMS:***

This listing of claims will replace all prior versions, and listings, of claims in the application:

***Listing of Claims:***

**Claim 1 (previously presented):** A lighting equipment comprising  
a reflector further comprising a substrate comprised of a thermoplastic resin containing an alicyclic structure selected from the group consisting of: a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer; and  
a metal film provided on the substrate.

**Claim 2 (original):** The lightning equipment as set forth in claim 1, further comprising a lens for condensing light of a light source reflected by said reflector.

**Claim 3 (original):** The lightning equipment as set forth in claim 1, further comprising a lamp cover allowing passage of light of a light source reflected by said reflector.

**Claim 4 (previously presented):** The lightning equipment as set forth in claim 2, further comprising a lamp cap covering part or all of a light source.

**Claim 5 (currently amended):** ~~The lightning equipment as set forth in claim 1, further comprising~~ A lighting equipment, comprising:

a reflector further comprising a substrate comprised of a thermoplastic resin containing an alicyclic structure selected from the group consisting of: a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer;

a metal film provided on the substrate;

a light guide, having a light incident face to which is introduced at least one type of light selected from the group of light from a light source and light source reflected by the reflector, and an emission face emitting the incident light introduced from the incident face to the outside.

**Claim 6 (original):** A light equipment comprising:

a reflector having a substrate comprised of a thermoplastic resin containing an alicyclic structure on which is formed a reflecting layer with a reflectance of at least 70%,

a lens for condensing light of a light source reflected by the reflector,

a lamp cover allowing a passage of light of the light source reflected by the reflector,  
a lamp cap covering part or all of the light source, and  
a light guide having an incident face to which is introduced at least one type of light selected from light from the light source and light from the light source reflected by the reflector and an emission face emitting the incident light introduced from the incident face to the outside.

**Claims 7-8 (canceled).**

**Claim 9 (previously presented):** A reflector for a lightning equipment comprising:

a substrate comprised of a thermoplastic resin containing an alicyclic structure selected from the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer; and

a metal layer provided on the substrate.

**Claim 10 (currently amended):** ~~The reflector for a lightning equipment as set forth in claim~~  
32, A reflector for a lightning equipment, comprising:

a substrate comprised of a thermoplastic resin containing an alicyclic structure selected from the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer; and

a metal layer provided on the substrate, comprised of a reflecting layer with a reflectance of at least 70%,

wherein said reflecting layer has a thickness of 5 to 10,000 nm.

**Claim 11 (currently amended):** ~~The reflector for a lighting equipment as set forth in claim 32;~~ A reflector for a lightning equipment, comprising:

a substrate comprised of a thermoplastic resin containing an alicyclic structure selected from the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer; and

a metal layer provided on the substrate, comprised of a reflecting layer with a reflectance of at least 70%; and wherein ~~characterized in that~~ said reflecting layer is provided by vapor deposition.

**Claim 12 (currently amended):** ~~The reflector for a lighting equipment as set forth in claim~~  
9; A reflector for a lightning equipment, comprising:  
a substrate comprising: of a thermoplastic resin containing an alicyclic structure selected  
from the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer,  
a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a  
norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl  
compound, and a vinyl alicyclic hydrocarbon polymer; and characterized in that said substrate further  
comprises at least one compounding agent selected from the group consisting of a partial ether  
compound of a polyhydric alcohol, a soft polymer, a filler, and a compound incompatible with the  
thermoplastic resin having an alicyclic structure; and  
a metal layer provided on the substrate.

**Claim 13 (currently amended):** ~~The reflector for a lighting equipment as set forth in claim~~  
9; A reflector for a lightning equipment, comprising:  
a substrate comprising: of a thermoplastic resin containing an alicyclic structure selected  
from the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer,  
a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a  
norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl

compound, and a vinyl alicyclic hydrocarbon polymer, and characterized in that said substrate further comprises a blended soft polymer having a glass transition temperature of not more than 30°C; and  
a metal layer provided on the substrate.

**Claim 14 (currently amended):** ~~The reflector for a lighting equipment as set forth in claim~~  
9; A reflector for a lightning equipment, comprising:  
a substrate comprising: of a thermoplastic resin containing an alicyclic structure selected  
from the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer,  
a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a  
norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl  
compound, and a vinyl alicyclic hydrocarbon polymer, and characterized in that the substrate further  
comprises a blended crystalline polymer; and  
a metal layer provided on the substrate.

**Claim 15 (canceled).**

**Claim 16 (currently amended):** ~~The reflector for a lighting equipment as set forth in claim~~  
9; A reflector for a lightning equipment, comprising:

a substrate comprised of a thermoplastic resin containing an alicyclic structure selected from the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer; and

a metal layer provided on the substrate,

~~characterized in that~~ wherein the amount of repeating units containing polar groups in the thermoplastic resin containing the alicyclic structure is not more than 50 wt %.

**Claim 17 (currently amended):** ~~The reflector for a lighting equipment as set forth in claim 9;~~ A reflector for a lightning equipment, comprising:

a substrate comprised of a thermoplastic resin containing the alicyclic structure selected from the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer; and

a metal layer provided on the substrate,

~~characterized in that~~ wherein the thermoplastic resin containing [[the]] an alicyclic structure has a melt flow rate, measured by JIS-K6719 at a temperature os 280°C and a load of 2.16 kgf, of 4 to 100 g/10min.

**Claim 18 (currently amended):** ~~The reflector for a lighting equipment as set forth in claim~~  
9; A reflector for a lightning equipment, comprising:  
a substrate comprised of a thermoplastic resin containing an alicyclic structure selected from  
the group consisting of: a ring-opening polymer of a polymer of a norbornene-based monomer, a  
ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a  
norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl  
compound, and a vinyl alicyclic hydrocarbon polymer; and  
a metal layer provided on the substrate,  
~~characterized in that~~ wherein the thermoplastic resin containing the alicyclic structure has  
repeating units comprised of ring structures other than norbornene rings.

**Claim 19 (previously presented):** A lens for a lighting equipment with a resin composition  
comprising:  
a thermoplastic resin containing an alicyclic structure selected from the group consisting of  
a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a  
norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition  
polymer of a norbornene-based monomer and vinyl alicyclic hydrocarbon polymer, and



at least one compounding agent selected from the group consisting of a partial ether compound of a polyhydric alcohol, a partial ester compound of a polyhydric alcohol, a soft polymer, a filler, and a compound incompatible with the thermoplastic resin having an alicyclic structure.

**Claim 20 (previously presented):** A lamp cover for a lighting equipment provided in front of a light source and allowing passage of light of the light source, said lamp cover for a lighting equipment comprised of a thermoplastic resin containing an alicyclic structure selected from the group consisting of a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer.

**Claim 21 (previously presented):** A lamp cap for a lighting equipment covering part of all of the light source, said lamp cap comprised of a thermoplastic resin containing an alicyclic structure selected from the group consisting of a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer.

**Claim 22 (previously presented):** A light guide for a lighting equipment provided in a light chamber of the lighting equipment and having a light incident face to which is introduced at least one type of light selected from the group of light from a light source and light from a light source reflected by a reflector and an emission face emitting the incident light introduced from the incident surface to the outside, said light guide for a lighting equipment comprised of a thermoplastic resin containing an alicyclic structure having a glass resin containing an alicyclic structure having a glass transition temperature of at least 90°C selected from the group consisting of a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, an addition polymer of a norbornene-based monomer and vinyl compound, and a vinyl alicyclic hydrocarbon polymer.

**Claim 23 (previously presented):** The lens for a lighting equipment as set forth in claim 19, in which the thermoplastic resin containing the alicyclic structure is selected from the group consisting of a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, and an addition polymer of a norbornene-based monomer and vinyl compound.

**Claim 24 (previously presented):** The lamp cover for a lighting equipment as set forth in claim 20, in which the thermoplastic resin containing the alicyclic structure is selected from the

group consisting of a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, and an addition polymer of a norbornene-based monomer and vinyl compound.

**Claim 25 (previously presented):** The lamp cap for a lighting equipment as set forth in claim 21, in which the thermoplastic resin containing the alicyclic structure is selected from the group consisting of a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, and an addition polymer of a norbornene-based monomer and vinyl compound.

**Claim 26 (previously presented):** The light guide for a lighting equipment as set forth in claim 22, in which the thermoplastic resin containing the alicyclic structure is selected from the group consisting of a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer of a norbornene-based monomer, a ring-opening polymer hydrogenate of a norbornene-based monomer, an addition polymer of a norbornene-based monomer, and an addition polymer of a norbornene-based monomer and vinyl compound.

**Claim 27 (previously presented):** A lighting equipment comprising:

a reflector having a substrate on which is formed a reflecting layer with a reflectance of at least 70%,

a lens comprised of a thermoplastic resin containing an alicyclic structure for condensing light of a light source reflected by the reflector,

a lamp cover allowing a passage of light of the light source reflected by the reflector,

a lamp cap covering part or all of the light source, and

a light guide having an incident face to which is introduced at least one type of light selected from light from the light source and light from the light source reflected by the reflector and an emission face emitting the incident light introduced from the incident face to the outside.

**Claim 28 (previously presented):** A lighting equipment comprising:

a reflector having a substrate on which is formed a reflecting layer with a reflectance of at least 70%,

a lens for condensing light of a light source reflected by the reflector,

a lamp cover comprised of a thermoplastic resin containing an alicyclic structure allowing a passage of light of the light source reflected by the reflector,

a lamp cap covering part or all of the light source, and

a light guide having an incident face to which is introduced at least one type of light selected from light from the light source and light from the light source reflected by the reflector and an emission face emitting the incident light introduced from the incident face to the outside.

**Claim 29 (previously presented):** A lighting equipment comprising:

a reflector having a substrate on which is formed a reflecting layer with a reflectance of at least 70%,

a lens for condensing light of a light source reflected by the reflector,

a lamp cover allowing a passage of light of the light source reflected by the reflector,

a lamp cap comprised of a thermoplastic resin containing an alicyclic structure covering part or all of the light source, and

a light guide having an incident face to which is introduced at least one type of light selected from light from the light source and light from the light source reflected by the reflector and an emission face emitting the incident light introduced from the incident face to the outside.

**Claim 30 (previously presented):** A lighting equipment comprising:

a reflector having a substrate on which is formed a reflecting layer with a reflectance of at least 70%,

a lens for condensing light of a light source reflected by the reflector,

a lamp cover allowing a passage of light of the light source reflected by the reflector,  
a lamp cap covering part or all of the light source, and  
a light guide comprised of a thermoplastic resin containing an alicyclic structure having an incident face to which is introduced at least one type of light selected from the light source and light from the light source reflected by the reflector and an emission face emitting the incident light introduced from the incident face to the outside.

**Claim 31 (previously presented):** The lighting equipment as set forth in claim 1, characterized in that said metal film is comprised of a reflecting layer with a reflectance of at least 70%.

**Claim 32 (previously presented):** The reflector for a lighting equipment as set forth in claim 9, characterized in that said metal film is comprised of a reflecting layer with a reflectance of at least 70%.